

# Converting Colors

YIQ(112.3310, 15.9060, 20.1140)

Have a look what the booklet for  
YIQ(112.3310, 15.9060, 20.1140)  
contains.

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# Color

**YIQ(112.3310, 15.9060,  
20.1140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C5F81
RGB	140, 95, 129
RGB Percent	55%, 37%, 51%
CMY	0.4508, 0.6275, 0.4941
CMYK	0.00, 0.32, 0.08, 0.45
HSL	315°, 19%, 46%
HSV	315°, 32%, 55%
XYZ	18.8743, 15.3445, 22.7392
YIQ	112.3310, 15.9060, 20.1140

# Conversions

## Conversions Part 2

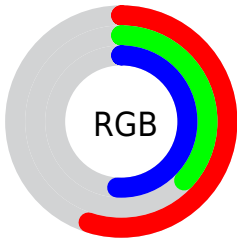
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 95, 129
Decimal	9199489
CIE <sub>Lab</sub>	46.10, 24.02, -11.59
CIE <sub>LCh</sub>	46, 26.672, 334.254
Yxy	15.3445, 0.3314, 0.2694
Android (android.graphics.Color)	4287389569 (0xFF8C5F81)
YUV	112.3310, 8.2178, 24.2657
Hunter-Lab	39.1721, 17.4555, -6.9970

# Details

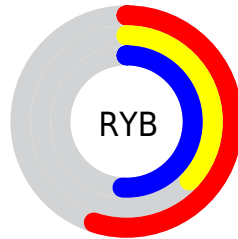
The YIQ color **112.3310, 15.9060, 20.1140** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **122.6690, -15.9060, -20.1140**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **164.4560, 17.0520, 21.3720**, and **63.9070, 14.1640, 18.6440** is the 20% darker color. If you saturate the color by 10%, you get **103.7710, 20.7190, 26.5030**, and if you desaturate by 10%, it is **120.8910, 11.0930, 13.7250**.

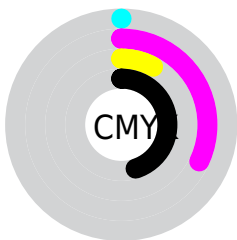
# Distribution



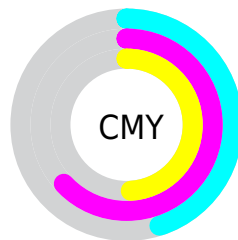
- Red (55%)
- Green (37%)
- Blue (51%)



- Red (55%)
- Yellow (37%)
- Blue (51%)



- Cyan (0%)
- Magenta (32%)
- Yellow (8%)
- Black (45%)



- Cyan (45%)
- Magenta (63%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 112.3310, 15.9060, 20.1140 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 112.3310, 15.9060, 20.1140 by changing the saturation by 10% instead.



■ 112.3310, 15.9060,  
20.1140

■ 112.3310, 15.9060,  
20.1140

■ 255.0000, -0.0000,  
-0.0000

■ 87.6190, 15.0350,  
19.3790

■ 164.4560, 17.0520,  
21.3720

■ 63.9070, 14.1640,  
18.6440

■ 191.8690, 17.3270,  
21.8950

■ 40.6080, 13.5680,  
18.4320

■ 219.5810, 18.1980,  
22.6300

■ 18.3090, 12.9720,  
18.2200

■ 239.7380, 7.1500,  
13.5980

■ 5.2550, 3.8960,  
6.4880

■ 0.0000, 0.0000,  
0.0000

■ 112.3310, 15.9060,  
20.1140

■ 112.3310, 15.9060,  
20.1140

■ 103.7710, 20.7190,  
26.5030

■ 120.8910, 11.0930,  
13.7250

■ 95.0970, 25.8530,  
32.5810

■ 129.5650, 5.9590,  
7.6470

■ 86.5370, 30.6660,  
38.9700

■ 138.1250, 1.1460,  
1.2580

■ 77.8630, 35.8000,  
45.0480

■ 146.7990, -3.9880,  
-4.8200

■ 69.3030, 40.6130,  
51.4370

■ 155.3590, -8.8010,  
-11.2090

■ 60.6290, 45.7470,  
57.5150


■ 164.0330,  
-13.9350, -17.2870

■ 53.9440, 49.4140,  
62.6460

■ 172.5930,  
-18.7480, -23.6760

■ 181.1530,

-23.5610, -30.0650

 189.8270,  
-28.6950, -36.1430

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



111.2020, -5.7800, 16.6520



112.3310, 15.9060, 20.1140



111.6500, 30.9450, 17.3850

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



112.3310, 15.9060, 20.1140



107.4580, 21.5970, -11.4510



91.0980, -65.2860, -17.2700

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



112.3310, 15.9060, 20.1140



122.6690, -15.9060, -20.1140

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7550, -45.3870, -19.9710



112.3310, 15.9060, 20.1140



104.7160, 3.0750, -17.1890

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



112.3310, 15.9060, 20.1140



109.0130, 33.5160, -1.6840



101.5160, -19.8490, -20.2410



98.8210, -53.7800, -5.5240



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



112.3310, 15.9060, 20.1140



110.8260, 36.0810, 12.4090



101.5160, -19.8490, -20.2410



91.7840, -61.5260, -19.3340

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



112.3310, 15.9060, 20.1140



169.9780, 6.2340, 8.1700



103.1200, -8.4850, 16.1150



85.2010, 3.9880, 4.8200



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



112.3310, 15.9060, 20.1140



137.3850, 24.9820, 31.8460



109.8230, 22.9680, 13.2720



64.6630, 2.5670, 3.0390



51.1670, 47.1680, 59.2960



1.9510, 1.6960, 2.3040



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



112.3310, 15.9060, 20.1140



137.3850, 24.9820, 31.8460



125.1770, -22.9680, -13.2720



64.6630, 2.5670, 3.0390



51.1670, 47.1680, 59.2960

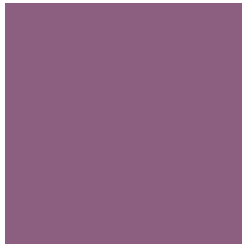


1.9510, 1.6960, 2.3040



# Previews

## White Background



This preview shows how the YIQ color 112.3310, 15.9060, 20.1140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

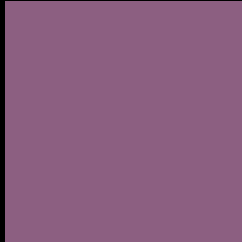
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 112.3310, 15.9060, 20.1140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

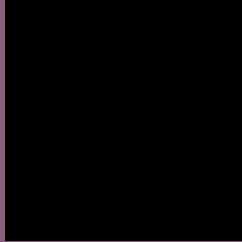
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 112.3310, 15.9060, 20.1140

## Background



This preview shows how black text looks on a background with the YIQ color 112.3310, 15.9060, 20.1140.



This preview shows how white text looks on a background with the YIQ color 112.3310, 15.9060,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

112.3310, 15.9060, 20.1140

### Protanopia

109.6260, -13.2060, 8.0580

### Deuteranopia

110.7750, -3.4400, 7.2800



## Tritanopia

111.2740, 20.0800, 10.5440

# Trichromacy



## Original Color

112.3310, 15.9060, 20.1140

## Protanomaly

110.5350, -2.5240, 12.7080

## Deuteranomaly

111.5310, 3.2990, 11.8030

## Tritanomaly

111.8980, 18.3830, 13.7670

# Monochromacy



## Original Color

112.3310, 15.9060, 20.1140

## Achromatopsia

112.0000, -0.0000, 0.0000

## Achromatomaly

112.1520, 5.6840, 7.1240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 112.3310, 15.9060, 20.1140 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(140, 95, 129)` looks like.

```
.text, #text, p{  
    color:rgb(140, 95, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(140, 95, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 95, 129) }
```

## Border

The CSS property to change the border of an element to YIQ 112.3310, 15.9060, 20.1140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(140, 95, 129) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(140, 95, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(140, 95, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 95, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 95, 129);  
box-shadow:4px 4px 4px 4px rgb(140, 95,  
129) }
```

# Background

The CSS property to change the background color of an element to YIQ 112.3310, 15.9060, 20.1140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 95, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(140, 95,  
129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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